

Form PTO-1449 INFORMATION DISCLOSURE STATEMENT	Docket No.: B0410/7284	Serial No. 10/048,205
	Applicant: Richard A. Gambale et al.	
	Filed: May 2, 2002	Group: 3738

U.S. PATENT DOCUMENTS							
Ex.	Doc. No.	Date	Name	Class	Subcl.	Filed	
13	3,991,750	11/16/78	Brian H. Vickery				
	3,995,817	12/07/76	Watkins et al.				
	4,307,722	12/29/81	Joseph M. Evans, et al.				
	4,503,589	03/12/85	Charles T. Dotter				
	4,546,489	10/15/85	Zinon C. Possis				
	4,562,597	01/07/86	Zinon C. Possis et al.				
	4,580,568	04/08/86	Cesare Gianturco				
	4,582,181	04/15/86	Wilfred J. Samson				
	4,641,653	02/10/87	Arthur G. Rockey				
	4,649,922	03/17/87	Dominik M. Wiktor				
	4,655,771	04/07/87	Hans I. Wallsten				
	4,658,817	04/21/87	Roger I. Hardy et al.				
	4,665,918	05/19/87	Gilbert A. Garza et al.				
	4,681,110	07/21/87	Dominik M. Wiktor				
	4,733,865	03/29/88	Julio C. Palmaz				
	4,768,507	09/06/88	Robert E. Fischell et al.				
	4,774,949	10/04/88	Thomas J. Fogarty				
	4,813,826	03/21/89	Donald L. Anderson Jr. et al.				
	4,861,330	08/29/89	Gene Voss				
	4,889,137	12/26/89	Theodor Kolobow				
	4,904,264	2/27/90	Schaunemann				
	4,917,666	04/17/90	Ronald J. Solar				
	4,920,980	05/01/90	Stefan A. Jackowski				
	4,950,227	08/21/90	Michael A. Savin et al.				
	4,995,857	02/26/91	John R. Arnold				
	4,997,431	03/05/91	Jeffrey M. Isner et al.				
	5,040,543	08/20/91	Michael J. Badera et al.				
	5,042,486	08/27/91	Manfred Pfeiffer et al.				
	5,047,028	09/10/91	Quinghua Qian				
	5,049,138	09/17/91	Raymond P. Chevalier, et al				
	5,056,517	10/15/91	Riccardo Fenici				
	5,087,243	02/11/92	Boaz Avitall				
	5,098,374	03/24/92	Erik Othel-Jacobsen et al.				
	5,114,414	05/19/92	Maurice Buchbinder				
	5,158,548	10/27/92	Lilip Lau et al.				
	5,167,614	12/01/92	Terri L. Tessman et al.				
	5,176,626	01/05/93	Nib Soehendra				
	5,180,366	01/19/93	W.T. Woods				
	5,180,058	03/02/93	Lee A. Jones et al.				
13	5,266,146	10/26/93	William D. Ensminger et al.				

Page 1 of 5

BOS-609967 v1 0506765-0059

U.S. PATENT DOCUMENTS							
Ex.	Doc. No.	Date	Name	Class	Subcl.	Filed	
B	5,266,073	11/30/93	W. Henry Wall				
	5,287,861	02/22/94	Peter J. Wilk				
	5,280,678	03/01/94	George Jackowski				
	5,312,456	05/17/94	Michael L. Reed et al.				
	5,324,325	06/28/94	Shahram Moaddeb				
	5,388,493	11/22/94	Scheiner et al.				
	5,370,683	12/06/94	Arthur B. Fontaine				
	5,372,600	12/13/94	Mordechai Beyar et al.				
	5,380,316	01/10/95	Michael Alta et al.				
	5,389,098	02/14/95	Michael Alta et al.				
	5,391,199	02/21/95	Shlomo Ben-Haim				
	5,409,004	04/25/95	Dale A. Sloan				
	5,409,019	04/25/95	Peter J. Wilk				
	5,423,885	08/13/95	Michael S. Williams				
	5,425,757	01/20/95	Jonathan Tiefenbrun et al.				
	5,429,144	06/04/95	Peter J. Wilk				
	5,441,518	11/15/95	Lixiao Wang et al.				
	5,452,733	09/26/95	Wesley D. Sterman				
	5,453,090	09/26/95	Susana Martinez et al.				
	5,458,616	10/17/95	Kurt R. Klemm				
	5,484,404	11/07/95	George S. Abela et al.				
	5,484,650	11/07/95	Eric P. Berg et al.				
	5,466,242	11/14/95	Katsushi Mori				
	5,476,805	12/19/95	Timothy A. Limon				
	5,480,422	01/02/96	Shlomo Ben-Haim				
	5,487,739	01/30/96	Patrick Aebischer et al.				
	5,514,176	05/07/98	Rodney W. Bosley, Jr. et al.				
	5,551,427	09/03/98	Peter A. Altman				
	5,551,954	09/03/98	Paul J. Buscemi et al.				
	5,562,619	10/08/96	Thomas F. Mirarchi et al.				
	5,562,922	10/08/96	Thomas L. Lambert				
	5,569,272	10/29/96	Michael L. Reed et al.				
	5,571,188	11/05/96	Connie D. Toro				
	5,593,412	01/14/97	Susana Martinez et al.				
	5,593,434	01/14/97	Michael S. Williams				
	5,602,301	02/11/97	Loren J. Field				
	5,614,206	03/25/97	Donald A. Randolph et al.				
	5,643,308	07/01/97	Barry Stephen Markman				
	5,653,756	08/05/97	Clarke et al.				
	5,655,548	08/12/97	James A. Nelson				
	5,662,124	09/02/97	Peter J. Wilk				
	5,676,850	10/14/97	Michael L. Reed				
	5,690,843	11/25/97	Bandula Wilay				
	5,735,897	04/07/98	Andrew W. Bulge				
	5,741,330	04/21/98	James H. Brauker et al.				
	5,744,515	04/28/98	David L. Clapper				
	5,755,682	05/28/98	Mark B. Knudson et al.				
	5,758,127	05/26/98	Bernard F. Grisoni et al.				


U.S. PATENT DOCUMENTS						
Ex.	Doc. No.	Date	Name	Class	Subcl.	Filed
2	5,762,600	08/09/98	William Carl Bruchman et al.			
	5,769,843	06/23/98	George S. Abela et al.			
	5,782,823	07/21/98	Richard L. Mueller			
	5,785,702	07/28/98	Douglas R. Murphy et al.			
	5,792,453	08/11/98	H. Kirk Hammond et al.			
	5,797,870	08/25/98	Kelth L. March et al.			
	5,807,384	09/15/98	Richard L. Mueller			
	5,810,836	09/22/98	Hany Hussein			
	5,824,071	10/20/98	James A. Nelson et al.			
	5,830,502	11/03/98	Liang C. Dong et al.			
	5,833,699	11/10/98	Timothy A.M. Chuter			
	5,840,059	11/24/98	Kelth L. March et al.			
	5,899,915	05/04/99	Vahid Saadat			
	5,971,993	10/26/99	Hany Hussein et al.			
	5,980,514	11/09/99	Kuplecki et al.			
	5,980,548	11/09/99	Douglas G. Evans et al.			
2	6,053,924	04/25/00	Hussein			
	6,263,880	07/24/01	Parker et al.			

FOREIGN PATENT DOCUMENTS						
Ex.	Doc. No.	Date	Name	Class	Subcl.	
2	FR 1.514.319	01/11/67	M. Fred Zacouto			
	FR 2 725 815	10/17/84	De La Caffinlere Jean Yves			
	DE 19703482	01/31/97	Charles T. Dotter			
	DE 296 19 029 u1	04/10/97	Georg Kietka			
	EP 0 490 459A1	08/17/92	James R. Gross			
	EP 0 515 867 A2	12/02/92	Valluvan Jeevanandam			
	EP 0 714 640 A1	06/05/96	Richard S. Stack			
	EP 0 717 869 A1	06/26/96	Ivan Sepetka et al.			
	EP 0 732 089 A2	09/18/96	Scott C. Anderson et al.			
	EP 0 812 574 A2	12/17/87	Richard L. Mueller et al.			
	EP 0 830 873 A2	03/25/98	Atsushi Ogawa et al.			
	EP 0 876 803 A2	11/11/98	C. R. Bard, Inc.			
	EP 0 953 320 A2	11/03/99	Ronald J. Tuch			
	WO 89/01798	03/09/89	Erik Jacobsen			
	WO 91/15254	10/17/91	David Zimmon			
	WO94/05265	03/17/94	Charles B. Berde et al.			
	WO 95/33511	12/14/95	Clarence C. Lea			
	WO 96/20698	07/11/96	Robert J. Levy et al.			
	WO 97/32551	09/12/97	Hany Hussein et al.			
	WO 97/44071	11/27/97	Amnon Sudal			
	WO 97/45105	12/04/97	William L. Hunter et al.			
	WO 97/47253	12/18/97	Robert Fine			
	WO 98/05307	02/12/98	Aaron Kaplan et al.			
2	WO 98/08456	03/05/98	Joshua Makower et al.			
	WO 98/18644	04/23/98	Theresa A. Deisher et al.			

FOREIGN PATENT DOCUMENTS						
Ex.	Doc. No.	Date	Name	Class	Subcl.	
13	WO 98/23228	06/04/98	Terry L. Burkoth et al.			
	WO 98/25533	06/18/98	Thomas R. Hektner			
	WO 98/29148	07/09/98	Dachuan Yang et al.			
	WO 98/32859	07/30/98	Todd Rosengart et al.			
	WO 98/46115	10/22/98	Joshua Makower et al.			
	WO 99/21510	05/06/99	Douglas G. Evans			
	WO 99/38459	08/05/99	Peter J. Wilk			
	WO 99/53863	10/28/99	Guy P. Vanney et al.			
14	RU 2026640 C1		Kononov			
	RU 2063179 C1		Ganichev			

OTHER DOCUMENTS (including, Author, Title, Date, Pages, Etc.)	
13	A. Hassan Khazel et al., <i>Myocardial Canalization, A New Method of Myocardial Revascularization</i> , The Annals of Thoracic Surgery, Vol. 6, No. 2, pp. 163-171, August 1968
	Alfred Goldman et al., <i>Experimental Methods for Producing a Collateral Circulation to the Heart Directly from the Left Ventricle</i> , Journals of Thoracic Surgery, Vol. 31, No. 3, pp. 364-374, March 1956
	A. Sachinopoulou et al., <i>Invited Review Transmyocardial Revascularization</i> , Lasers in Medical Science 1995, Vol. 10, pp. 83-91, Sept. 1995
	B. Schumacher, <i>Induction of Neoangiogenesis in Ischemic Myocardium by Human Growth Factors, First Clinical Results of a New Treatment of Coronary Heart Disease</i> , Clinical Investigation and Reports, pp 645-650, Dec. 1997
	Charles T. Dotter, <i>Transluminally-placed Coilspring Endarterial Tube Grafts, Long-term Patency in Canine Popliteal Artery</i> , Investigative Radiology, pp. 329-332, Sept.-Oct. 1989
	C. Massimo, et al., <i>Myocardial Revascularization By a New Method of Carrying Blood Directly from the Left Ventricular Cavity into the Coronary Circulation</i> , Journals of Thoracic Surgery, Vol. 34, No. 2, pp. 257-264, August 1957
	Garrett Lee et al., <i>Feasibility of Intravascular Laser Irradiation for In Vivo Visualization and Therapy of Cardiovascular Diseases</i> , American Heart Journal, Vol. 103 No. 8, pp. 1076-1077
	Garrett Lee et al., <i>Laser-Dissolution of Coronary Atherosclerotic Obstruction</i> , American Heart Journal, Vol. 102, No. 6, part 1, pp. 1074-1075, Dec. 1981
	George S. Abela et al., <i>Use of Laser Radiation to Recanalize Totally Obstructed Coronary Arteries (Abstract)</i> , Journal American College Cardiology 1983:1(2):691
	George S. Abela et al., <i>Laser Revascularization: What Are Its Prospects?</i> , Journal of Cardiovascular Medicine, pp. 977-984, Sept. 1983
	Isam N. Anabtawi et al., <i>Experimental Evaluation of Myocardial Tunnelization as a Method of Myocardial Revascularization</i> , Journal of Thoracic and Cardiovascular Surgery, Vol. 58, No. 5, pp. 638-646, Nov. 1969
	John E. Hershey et al., <i>Transmyocardial Puncture Revascularization</i> , Geriatrics, pp. 101-108, March 1969
	Ladislav Kuzela et al., <i>Experimental Evaluation of Direct Transventricular Revascularization</i> , Journal of Thoracic Cardiovascular Surgery, Vol. 57, No. 6, pp. 770-773, June 1969
14	Mahmood Mirhoseini et al., <i>Myocardial Revascularization by Laser: A Clinical Report</i> , Lasers in Surgery and Medicine 3: 241-245 (1983)

OTHER DOCUMENTS (Including, Author, Title, Date, Pages, Etc.)	
<input checked="" type="checkbox"/>	Mahmood Mirhoseini et al., <i>Revascularization of the Heart by Laser</i> ; Journal of Microsurgery, pp. 253-260, June 1981
<input checked="" type="checkbox"/>	Mahmood Mirhoseini et al., <i>Transventricular Revascularization by Laser</i> , Lasers in Surgery and Medicine, Vol. 2, pp. 187-198, 1982
<input checked="" type="checkbox"/>	Mahmood Mirhoseini et al., <i>Clinical Report: Laser Myocardial Revascularization</i> , Lasers in Surgery and Medicine Vol. 6, pp. 459-461, 1986
<input checked="" type="checkbox"/>	Mahmood Mirhoseini et al., <i>New Concepts in Revascularization of the Myocardium</i> , The Annals of Thoracic Surgery, Vol. 45, No. 4, pp. 415-420, April 1988
<input checked="" type="checkbox"/>	Neil B. Ingels, et al., <i>Measurement of Midwall Myocardial Dynamics in Intact Man by Radiography of Surgically Implanted Markers</i> , Circulation, Vol. 52, pp. 859-867 (Nov. 1975)
<input checked="" type="checkbox"/>	P. Walter et al., <i>Treatment of Acute Myocardial Infarction by Transmural Blood Supply from the Ventricular Cavity</i> , Department of Surgery and Department of Radiology of the Hannover Medical School, Hanover, pp 130-138, (1971)
<input checked="" type="checkbox"/>	Peter Whittaker, et al., <i>Transmural Channels Can Protect Ischemic Tissue, Assessment of Long-term Myocardial Response to Laser and Needle-Made Channels</i> , Circulation, Vol. 93, No. 1, pp. 143-152, Jan. 1996
<input checked="" type="checkbox"/>	P.K. Sen, et al, <i>Further Studies in Multiple Transmyocardial Acupuncture as a Method of Myocardial Revascularization</i> , Surgery, Vol. 64, No. 5, pp. 861-870, Nov. 1968
<input checked="" type="checkbox"/>	P.K. Sen et al, <i>Transmyocardial Acupuncture, A New Approach to Myocardial Revascularization</i> ; Journal of Thoracic and Cardiovascular Surgery, Vol. 50, No. 2, pp. 181-189, August 1965
<input checked="" type="checkbox"/>	R.I. Hardy et al., <i>Regional Myocardial Blood Flow and Cardiac Mechanics in Dog Hearts with CO<sub>2</sub> Laser-Induced Intramyocardial Revascularization</i> , Basic Research Cardiology, 85:179-197 (1990)
<input checked="" type="checkbox"/>	Roque Pifarre et al., <i>Myocardial Revascularization by Transmyocardial Acupuncture: A Physiologic Impossibility</i> ; Journal of Thoracic and Cardiovascular Surgery; Vol. 58, No. 3, pp. 424-429, September 1969
<input checked="" type="checkbox"/>	Valluvan Jeevanandam et al., <i>Myocardial Revascularization by Laser-Induced Channels</i> , Surgical Forum Vol. IVL, American College of Surgeons 76 <sup>th</sup> Clinical Congress, Vol 4, pp. 226-227, Oct. 1990

Examiner: 	Date considered: 6/16/04
---	--------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. An \* indicates references that do not require a copy to be provided under 37 C.F.R. §1.98(d) because a copy was previously cited or submitted in a prior application, which is relied upon under 35 U.S.C. §120.